

Qipeng Lu

List of Publications by Year in descending order

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papers

9,250
citations

94381

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docs citations

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times ranked

13649
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting Photocatalytic Hydrogen Production via Interfacial Engineering on 2D Ultrathin ZnIn ₂ S ₄ /g-C ₃ N ₄ Heterojunction. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	147
2	Crystal facet-dependent electrocatalytic performance of metallic Cu in CO ₂ reduction reactions. <i>Chinese Chemical Letters</i> , 2022, 33, 3641-3649.	4.8	23
3	Filling Mesopores of Conductive Metal-Organic Frameworks with Cu Clusters for Selective Nitrate Reduction to Ammonia. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32176-32182.	4.0	16
4	Quasi-Epitaxial Growth of Magnetic Nanostructures on 4H-Au Nanoribbons. <i>Advanced Materials</i> , 2021, 33, e2007140.	11.1	18
5	Preparation of CdS/Se _{1-x} S _x /MoS ₂ Heterostructures via Cation Exchange of Pre-Epitaxially Synthesized Cu ₂ S for Photocatalytic Hydrogen Evolution. <i>Small</i> , 2021, 17, e2006135.	5.2	11
6	Selective Epitaxial Growth of Rh Nanorods on 2H/fcc Heterophase Au Nanosheets to Form 1D/2D Rh ₂ Au Heterostructures for Highly Efficient Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2021, 143, 4387-4396.	6.6	56
7	Halloysite nanotube-based superhydrophobic foam for highly efficient oil/water separation. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5529-5536.	1.9	8
8	Graded interface engineering of 3D/2D halide perovskite solar cells through ultrathin (PEA) ₂ PbI ₄ nanosheets. <i>Chinese Chemical Letters</i> , 2021, 32, 2259-2262.	4.8	23
9	Pd-based intermetallic nanocrystals: From precise synthesis to electrocatalytic applications in fuel cells. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214085.	9.5	53
10	Layered Transition Metal Dichalcogenide-Based Nanomaterials for Electrochemical Energy Storage. <i>Advanced Materials</i> , 2020, 32, e1903826.	11.1	329
11	Self-Healing and Highly Stretchable Gelatin Hydrogel for Self-Powered Strain Sensor. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1558-1566.	4.0	174
12	Intermetallic Nanocrystals: Bromide Ions Triggered Synthesis of Noble Metal-Based Intermetallic Nanocrystals (<i>Small</i> 40/2020). <i>Small</i> , 2020, 16, 2070219.	5.2	3
13	Bromide Ions Triggered Synthesis of Noble Metal-Based Intermetallic Nanocrystals. <i>Small</i> , 2020, 16, 2003782.	5.2	21
14	Mo-ion doping evoked visible light response in TiO ₂ nanocrystals for highly-efficient removal of benzene. <i>Chemical Engineering Journal</i> , 2020, 397, 125444.	6.6	22
15	Au nanoparticles deposited on ultrathin two-dimensional covalent organic framework nanosheets for <i>in vitro</i> and intracellular sensing. <i>Nanoscale</i> , 2020, 12, 7776-7781.	2.8	33
16	Ag@MoS ₂ Core-Shell Heterostructure as SERS Platform to Reveal the Hydrogen Evolution Active Sites of Single-Layer MoS ₂ . <i>Journal of the American Chemical Society</i> , 2020, 142, 7161-7167.	6.6	185
17	Tunable thickness and band structure of SnO sheets for improved photocatalytic activity. <i>CrystEngComm</i> , 2020, 22, 2219-2226.	1.3	3
18	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. <i>Advanced Materials</i> , 2020, 32, e2000482.	11.1	98

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19	Photocatalytic synthesis of gold nanoparticles using TiO ₂ nanorods: a mechanistic investigation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18753-18757.	1.3	9
20	Towards efficient photocatalytic degradation of organic pollutants in hierarchical TiO ₂ /SnO ₂ heterojunction under visible-light irradiation. <i>Nanotechnology</i> , 2019, 30, 434001.	1.3	12
21	Aging amorphous/crystalline heterophase PdCu nanosheets for catalytic reactions. <i>National Science Review</i> , 2019, 6, 955-961.	4.6	75
22	Unusual 4H-phase twinned noble metal nanokites. <i>Nature Communications</i> , 2019, 10, 2881.	5.8	25
23	Chlorine-Doped Graphene Quantum Dots with Enhanced Anti- and Pro-Oxidant Properties. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21822-21829.	4.0	77
24	The formation mechanism of TiO ₂ polymorphs under hydrothermal conditions based on the structural evolution of [Ti(OH) ₂ (H ₂ O) ₆] ⁴⁺ monomers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5764-5771.	2.7	32
25	Synthesis of PdM (M = Zn, Cd, ZnCd) Nanosheets with an Unconventional Face-Centered Tetragonal Phase as Highly Efficient Electrocatalysts for Ethanol Oxidation. <i>ACS Nano</i> , 2019, 13, 14329-14336.	7.3	133
26	Exonuclease III-Regulated Target Cyclic Amplification-Based Single Nucleotide Polymorphism Detection Using Ultrathin Ternary Chalcogenide Nanosheets. <i>Frontiers in Chemistry</i> , 2019, 7, 844.	1.8	2
27	Metallic ruthenium-based nanomaterials for electrocatalytic and photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24691-24714.	5.2	80
28	Synthesis of MoX ₂ (X = Se or S) monolayers with high-concentration 1T phase on 4H/fcc-Au nanorods for hydrogen evolution. <i>Nano Research</i> , 2019, 12, 1301-1305.	5.8	44
29	Photoluminescence of graphene quantum dots doped with different elements. <i>Chinese Science Bulletin</i> , 2019, 64, 411-418.	0.4	10
30	Cadmium (⁴⁸ Cd). <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2019, , 485-528.	0.1	0
31	Synthesis of ultrathin two-dimensional organic-inorganic hybrid perovskite nanosheets for polymer field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3945-3950.	2.7	36
32	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. <i>Nature Chemistry</i> , 2018, 10, 456-461.	6.6	220
33	Dreidimensionale Architekturen aus Übergangsmetall-Dichalkogenid-Nanomaterialien zur elektrochemischen Energiespeicherung und -umwandlung. <i>Angewandte Chemie</i> , 2018, 130, 634-655.	1.6	37
34	Three-Dimensional Architectures Constructed from Transition-Metal Dichalcogenide Nanomaterials for Electrochemical Energy Storage and Conversion. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 626-646.	7.2	398
35	Synthesis of Hierarchical 4H/fcc Ru Nanotubes for Highly Efficient Hydrogen Evolution in Alkaline Media. <i>Small</i> , 2018, 14, e1801090.	5.2	80
36	Syntheses and Properties of Metal Nanomaterials with Novel Crystal Phases. <i>Advanced Materials</i> , 2018, 30, e1707189.	11.1	148

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37	Amorphous/Crystalline Hetero-Phase Pd Nanosheets: One-Pot Synthesis and Highly Selective Hydrogenation Reaction. <i>Advanced Materials</i> , 2018, 30, e1803234.	11.1	231
38	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 578-581.	7.2	57
39	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metal-Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. <i>Advanced Materials</i> , 2017, 29, 1700102.	11.1	384
40	Ligand-free rutile and anatase TiO ₂ nanocrystals as electron extraction layers for high performance inverted polymer solar cells. <i>RSC Advances</i> , 2017, 7, 20084-20092.	1.7	135
41	Ultrathin Two-Dimensional Organic-Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4252-4255.	7.2	206
42	Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiber-Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. <i>Small</i> , 2017, 13, 1700391.	5.2	111
43	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie</i> , 2017, 129, 593-596.	1.6	18
44	Two-Dimensional Metal-Organic Framework Nanosheets. <i>Small Methods</i> , 2017, 1, 1600030.	4.6	364
45	Edge Epitaxy of Two-Dimensional MoSe ₂ and MoS ₂ Nanosheets on One-Dimensional Nanowires. <i>Journal of the American Chemical Society</i> , 2017, 139, 8653-8660.	6.6	118
46	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 24-36.	3.2	173
47	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic Framework Nanosheets Used as Biomimetic Enzymes. <i>Advanced Materials</i> , 2016, 28, 4149-4155.	11.1	440
48	Synthesis of Two-Dimensional CoS _{1.097} /Nitrogen-Doped Carbon Nanocomposites Using Metal-Organic Framework Nanosheets as Precursors for Supercapacitor Application. <i>Journal of the American Chemical Society</i> , 2016, 138, 6924-6927.	6.6	591
49	One-Pot Synthesis of Highly Anisotropic Five-Fold Twinned PtCu Nanoframes Used as a Bifunctional Electrocatalyst for Oxygen Reduction and Methanol Oxidation. <i>Advanced Materials</i> , 2016, 28, 8712-8717.	11.1	336
50	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , 2016, 12, 4669-4674.	5.2	101
51	Self-Assembly of Single-Layer CoAl-Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2016, 28, 7640-7645.	11.1	355
52	2D Transition-Metal-Dichalcogenide-Nanosheet-Based Composites for Photocatalytic and Electrocatalytic Hydrogen Evolution Reactions. <i>Advanced Materials</i> , 2016, 28, 1917-1933.	11.1	1,214
53	Photocatalytic Surface-Initiated Polymerization on TiO ₂ toward Well-Defined Composite Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 538-546.	4.0	31
54	Ultrathin 2D Metal-Organic Framework Nanosheets. <i>Advanced Materials</i> , 2015, 27, 7372-7378.	11.1	943

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55	Enhanced amplified spontaneous emission from morphology-controlled organic-inorganic halide perovskite films. RSC Advances, 2015, 5, 103674-103679.	1.7	23
56	Electrical bistable devices using composites of zinc sulfide nanoparticles and poly-(N-vinylcarbazole). Chinese Physics B, 2015, 24, 037201.	0.7	2
57	High-Yield Exfoliation of Ultrathin Two-Dimensional Ternary Chalcogenide Nanosheets for Highly Sensitive and Selective Fluorescence DNA Sensors. Journal of the American Chemical Society, 2015, 137, 10430-10436.	6.6	214
58	Self-Assembled TiO ₂ Nanorods as Electron Extraction Layer for High-Performance Inverted Polymer Solar Cells. Chemistry of Materials, 2015, 27, 44-52.	3.2	33
59	Magnetochromatic Thin-Film Microplates. Advanced Materials, 2015, 27, 86-92.	11.1	27
60	A Single Molecule Electromer Emitting Compound with Enhanced Hole Transporting Property for Organic Light Emitting Devices. Science of Advanced Materials, 2015, 7, 2436-2440.	0.1	0
61	Effects of acetone-soaking treatment on the performance of polymer solar cells based on P3HT/PCBM bulk heterojunction. Chinese Physics B, 2014, 23, 118802.	0.7	8
62	Controlled synthesis and defect dependent upconversion luminescence of Y ₂ O ₃ :Yb, Er nanoparticles. Journal of Applied Physics, 2014, 115, .	1.1	16
63	Graphene-based materials: Fabrication and application for adsorption in analytical chemistry. Journal of Chromatography A, 2014, 1362, 1-15.	1.8	133
64	Negative differential resistance and carrier transport of electrically bistable devices based on poly(N-vinylcarbazole)-silver sulfide composites. Nanoscale Research Letters, 2014, 9, 128.	3.1	21
65	Magnetic Tuning of Plasmonic Excitation of Gold Nanorods. Journal of the American Chemical Society, 2013, 135, 15302-15305.	6.6	98
66	Photocatalytic Synthesis and Photovoltaic Application of Ag-TiO ₂ Nanorod Composites. Nano Letters, 2013, 13, 5698-5702.	4.5	173
67	Synthesis of porous Y ₂ O ₃ :Er plates with enhanced upconversion luminescence properties. Materials Letters, 2013, 99, 115-117.	1.3	11
68	Upconversion multicolor tuning: Red to green emission from Y ₂ O ₃ :Er, Yb nanoparticles by calcination. Applied Physics Letters, 2013, 102, .	1.5	33
69	Synthesis and Characterization of Y ₂ O ₃ :Er ³⁺ Upconversion Materials with Nanoporous Structures. Journal of Nanoscience and Nanotechnology, 2011, 11, 9671-9675.	0.9	6